

### **TECHNICAL DATA SHEET**

# PERMAPRIME QD9999 QD ALKYD PRIMER WITH ZINC PHOSPHATE

**DESCRIPTION:** A Single component, quick dry Zinc phosphate alkyd based primer

pigmented with corrosion inhibitor and inert extenders for the

protection of steel.

**RECOMMENDED USE:** An anti-corrosive general purpose primer for the protection of

steel. For use in conjunction with conventional painting systems.

**RESISTANCE TO:** Moisture – Good Aliphatic Solvents – Moderate

Abrasion – Good Weather – Good

PRODUCT INFORMATION:

Colour: Red & Grey

Finish: Matt

Volume solids %:  $40 \pm 2\%$  (ASTM-D2697-86)

V.O.C.: 510 g/l (NB. – Thinning will affect VOC compliance and

volume solids)

Typical thickness: 40 - 75 microns dry film thickness

Theoretical coverage: 10 m<sup>2</sup>/ltr. @ 40 microns dft

Density:  $1.25 \pm 0.1 \text{ g/cc (mixed)}$ 

Flash point: 25°C

Mixing ratio: Single Pack

Shelf life: 24 months from the date of manufacture

Pot life: Not applicable Pack size: 20 ,5 & 200 liters

FILM THICKNESS AND SPREADING RATE:	MIN.	MAX.	UNIT	
Dry film thickness	40	75	μm	
Wet film thickness	100	187	μm	
Spreading rate	10	5.33	m <sup>2</sup> /I (theoretica	ıI)

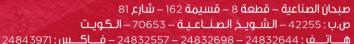
This figure makes no allowance for surface profile, uneven application, overspray or losses in containers and equipment. Film thickness will vary depending on actual use and specification.

**RECOMMENDED THINNER:** Thinner No.2 (5-10%)

#### **DRYING & CURING TIME:**

SUBSTRATE TEMPRATURE	15°C	23°C	35°C
Touch dry	10 mins	10 mins	10 mins
Dried to over coat (minimum)	4 hours	3 hours	2 hours
Hard dry	8 hours	6 hours	4 hours







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#### **SURFACE PREPARATION:**

Steel: Remove all oil and grease in accordance with SSPC-SP1. Manually prepared surfaces should be prepared in accordance with SSPC-SP2 or SSPC-SP3. For more severe exposure, conditions blast cleaning to SSPC-SP 7 may be required. Abrasive blast clean to Sa 2  $\frac{1}{2}$  BS7079: Part A1:1989. Average surface Profile 35 - 75 microns.

#### **RECOMMENDED COATING SYSTEM:**

Primer: PERMAPRIME QD9999

Topcoat: Based on Specification / Contact KPC

Note: The above mentioned is a generally used system for steel structures, and if any

alternative systems are required, please contact the KPC's technical team.

**RECOMMENDED APPLICATION METHODS:**Airless spray, conventional spray, roller,

brush

**APPLICATION EQUIPMENT DETAILS:** 

Airless spray Conventional spray

Nozzle Size : 0.38mm (15 thou)

Nozzle Size : 1.27mm (50 thou)

Fan Angle : 40°

Atmospheric pressure : 2.8kg/cm² (40 psi)

Operating pressure: 115kg/cm² (1600 psi) Fluid pressure: 0.7kg/cm² (10 psi)

#### **APPLICATION CONDITIONS AND OVER COATINGS:**

This material should preferably be applied at temperatures in excess of 10°C. In conditions of high relative humidity, i.e. 80-85%, good ventilation conditions are essential. Substrate temperature should be at least 3°C above the dew point and always above 0°C. At application temperatures below 10°C, drying and curing times will be significantly extended, and spraying characteristics may be impaired. Application at ambient air temperatures below 5°C is not recommended.

#### **HEALTH AND SAFETY:**

Please observe the precautionary notices displayed on the container. Do not breathe or inhale mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately.

Consult Product Health and Material Safety Data Sheet for information on safe storage, handling and application of this product.

**Disclaimer:** The information in this document is given to the best of KPC Paint's knowledge that based on laboratory testing and practical experience Products are often used under conditions beyond KPC's control and KPC Paints cannot guarantee anything but the quality of the product itself.

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